

## PATENT ABSTRACTS OF JAPAN

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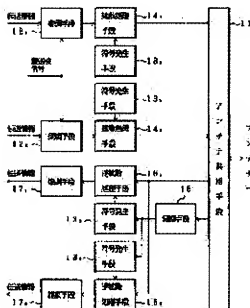
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## (54) MOBILE STATION EQUIPMENT

## (57)Abstract:



**PURPOSE:** To use a small-scale circuit to execute plural communications in parallel by sharing means which have a large circuit scale or occupy a large mounting area and adding means which have a small scale and occupy a narrow mounting area.

**CONSTITUTION:** When a communication line is already formed through a modulating means 12, a spread processing means 14, an inverse spread processing means 161, and a demodulating means 171, a spread processing means 142 spreads the frequency spectrum of the carrier signal, which a modulating means 122 modulates by transmission information, by the spread code generated by a code generating means 132 and transmits it through an antenna sharing means 11. The means 162 inversely spreads the frequency spectrum of the reception wave by the spread code which a code generating means 134 outputs with the phase synchronized with the

component of the spread code of the reception wave under the synchronous control of a synchronizing means 15. A demodulating means 172 demodulates the reception wave inversely spread in this manner to restore transmission information. Means whose numbers include subscripts can be constituted in a smaller scale and a narrower mounting area in comparison with means 11 and 15.